

UTILITY PATENT APPLICATION
FOR
"HOLOGRAPHIC PHOTONIC INTEGRATED CIRCUIT"
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RELATED APPLICATION

10 This application claims the benefit of priority from Provisional Patent
Application Serial No. 60/393,923 filed 7/3/2002, currently co-pending.

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ALL OPTICAL WAVELENGTH CONVERSION

APPLICATIONS

- ♦ OPTICAL PROCESSING & COMPUTATION
- ♦ APPLICATIONS REQUIRING INTEGRATED OPTICS
(NEAR UV TO FAR IR)
- ♦ TELECOMMUNICATIONS
 - METRO ACCESS
 - INTERMEDIATE LINKS
 - LONG HAUL TRUNKS
- ♦ WAVE LENGTH SWITCHES
 - => SOLVE CONTENTION PROBLEM
- ♦ REGENERATION
 - => 2R AMPLIFICATION & SHAPE
 - => 3R AMPLIFICATION, SHAPE & RETIMING